

Paducah Cylinder Yard Fence

The following information concerns the facilities associated with DOE owned and operated cylinder storage yards C-745-D, F, G, K, L, M, N, P, S, and C-745-T. A nine feet tall chain link fence surrounds all of the above mentioned cylinder yards and isolates them from the rest of the plant site. (The fenced off portion also includes the USEC C-745-U cylinder storage yard). All of these cylinder yards are located at the southeastern quadrant of the plant site. A description of the fence is given below, followed by a detailed narrative of its location.

The fence consists of #9 gauge coated steel wire fabric supported by 2-1/4-inch diameter steel posts. The posts are set three feet deep, in an 8-inch diameter concrete cylinder. The posts are a maximum of ten feet apart with diagonal bracing in each section. The fence is eight feet tall plus an additional foot of height consisting of three strands of barbed wire. The barbed wire is mounted on extension arms slanted at a 45-degree angle toward the interior side of the fence. The bottom of the fence is a maximum of two inches above the ground. Any ditches are blocked with 5/8-inch steel bar grating with 6-inch spacing.

The main entry into the cylinder yards is at Gate 49, which has a guard portal. This gate is located at the southwest corner of the cylinder yard complex. There is an entrance road (Montana Avenue) between the gate and the main plant access road (Hobbs Road). Starting at this gate, the fence runs north 2,550 feet parallel to Patrol Road 5 and the west sides of cylinder yards C-745-S, M, and F cylinder storage yards. This is part of the original security fence. At this corner (east of the C-100 Administration Building) where the original fence turns west, the new fence begins running east. There is a 14-foot gate at this location to allow access to Patrol Road 5. The fence continues to run east along gravel patrol road for 555 feet to 13th Street. The fence turns south and follows along the west side of 13th Street for 870 feet to the south side of Michigan Avenue. This section has a 10-foot gate, which provides access to a monitoring well.

At the corner of 13th Street and Michigan Avenue there is a 26-foot gate. The fence turns east and runs 157 feet to 14th Street. There is a 26 foot gate at 14th Street and immediately east there is a small personnel gate for access to the G-yard sump pump control station. The fence continues east along the south side of Michigan Avenue and the north side of C-745-G cylinder storage yard for another 685 feet to the east side of 15th Street.

The fence turns south following 15th Street for 592 feet to a 26 foot gate at Arizona Avenue and continues another 593 feet to Alabama Avenue. This section of the fence borders the east side of C-745-G and D cylinder storage yards and the west side of the USEC C-745-Q cylinder storage yard. There is a 26 foot gate that allows access to Alabama Avenue, from it the fence continues east for 370 feet on the north side of Alabama Avenue to 16th Street. There is a 26 foot gate at 16th Street and Alabama Avenue. The fence then runs south for 260 feet on the western side of 16th Street and at the railroad tracks there is a 14 foot gate. These two sections border the north and east sides of C-745-P cylinder storage yard. The fence then turns northeast for 370 feet before turning due east for 665 feet along Alabama Avenue to Patrol Road 3. There is a 14 foot gate at Patrol Road 3 then the fence continues another 37 feet to the original plant security fence.

From this point, the original fence runs south along the east side of Patrol Road 3 for 542 feet, then turns west and follows Patrol Road 4 for 650 feet to the east side of C-745-T cylinder storage yard. The fence runs south along the east side of C-745-T cylinder storage yard for 460 feet. The fence then runs west along the south side of C-745-T cylinder storage yard for 1,250 feet. At this corner, there is a 14 foot construction entrance gate (Gate 50). The fence follows the west side of the C-745-T cylinder storage yard north for 466 feet up to the C-745-S cylinder storage yard. It turns west and follows the south side of C-745-S cylinder storage yard along Montana Avenue for 676 feet back to Gate 49.

The entire perimeter of the fence is approximately 11,750 feet or about 2-1/4 miles. There are a total of ten interior gates and two gates at the security perimeter fence (Gates 49 and 50). Gate 49 has an electric gate operator and retracts back along the fence. All of the other gates are manual two piece, swing gates and have locks and chains. Gate 49 has a small security portal which is manned for access control when construction activities are in progress within the cylinder yard complex. The portal has electric and telephone service.